

Field Trip No. 21

North-western N.S.W. ~ south-western Queensland

May 3rd - May 25th 1949

K. H. L. Key

Field Trip No. 21 : North-western NSW & south-
western Queensland : 3 May - 25 May 1949
[Plant determinations by Nancy Burbidge]

5/5.

12537 YASS

12545 Bowning

558 Binalong

577 Murrumbidgee

12587. Blackhill, *Elyptochloa gracillioris*, along branch in
creek with tall ^{2-3 ft.} *Stipa* spp., *Bothriochloa* or *Dicranella*
and tall rush-like grasses at creek edge in
places. Also shorter *Stipa* varieties with bare
patches. Apparently dry grassy habitat.
No Perid.

589. Wombat.

597. Young. 633. Allens. in shadow fringed by *Stipa* grass
along creek fringed with dense 1-2 ft. *Dicranella*
coarse Cyperaceous tussocks 1-5 ft., *Paspalum*
dilatatum in places. Away from creek, sparse,
mainly short-grass *Stipa menziesii*, much bare
ground. 666. Forkes.

4/5. 12743. Moth. 12748. Narramine

NB. All mileages are short by 5%.

7/5/1899. 12803. Trangie. 12806. Myat H. River di. E. populifolia.
Chotoicetes leschnifera
 with occ. *melanophloea* on soil type 2, and *A.*
pendula on soil type 7. Much bare ground in 6 & 2
 locs; well vegetated, & mya *U. C.* p. lately removed on
 7, pasture mainly *Dichan. Minum*, *Paricum* sp., *Sporobolus*
Caroli. Also *intermediate* soil. *Pycnostictus seriatus*,
Acrida (n). Chot. 72 *intermediates*, other spp. on 2.
 12818. *Populifolia* - *C. glauca* - with bullock, from
Austroicetes inferioris
 almost virgin to cleared. Pasture various, with
 much bare ground in parts. On soil type 2. *Acrida*,
Chot., *Pycnostictus seriatus*, *Ecephantus* (n). 823.
 Nevertire. 12829. *Austroicetes pusilla*
 Almost completely cleared from *populifolia*,
Geixia, *Apophyllum* sp. 3-4, leading into an *E. bicolor*
 swamp with fine *Cyperaceae* to 7 in. *Chloris truncata*,
Stipa variabilis, *Hordeum* & *Atriplex leptocarpum*,
Chot. Much bare ground. Pasture mainly low. 831
 Belawingar 842. Mullengudgeri. 844. Plain of very
 heavy *zm.* soil with occ. less heavy, almost
 compact. Patches. On heaviest soil, *Kochia aphylla*,
[Atriplex semibaccata]
K. spp., *Atriplex* spp., *Salzola*, *Rhagodia*, *Bassia*
quinquecuspis. Also large patch myall on less heavy
 soil, on *very*, almost compact soil, patch. of *A.*
veniana. Only one *Acrida*: *myall* of ? *Pteridoptera*.
Austroicetes pusilla
Stipiteropico. 12847. *E. bicolor* on mainly compact to

Moraba sp. n. 2, *Keyaria interspersa*, *Leucosporus* 5(?)
4-type brown soil with numerous *Atriplex vesicaria*
underneath, occ. *Rhagodia*, *Kochia* spp. & *Bassia*
spp. leading up to slightly higher ground with
more compact brown soil bearing *Thurbergia*, with
occ. *Atalaya*, *Verticillago*, wild orange, no wood; the
same *A. vesicaria*, but a few growth also of *Bassia*
spp. & soft-leaved? *Kochia*. Considerable bare ground in
both communities. All the birds collected were
from the *Thurbergia* community, 12849. Miowera
857. Nyngan.

85. 12858. Nyngan. 862. Considerable thinned from *Populifolia*,
Peckia fuscocomaculata, *Chortioetes tenuifera*, *Austroicetes*
Geijera, *Heterodendron* & occ. *Callitris glauca* & *Apophyllum*
pusilla, *A. interioris*
on r.b. sandy loam. Pasture mainly very short &

heavily overgrazed, but in one paddock *Stipa variabilis* &
Salicola to 8 in. Much bare ground. 871. Miandetta.

872. *Populifolia*, *Callitris glauca*, *Geijera*, *Eremophila Mitchellii*,
Cryptobolus obscurus, *Pycnostictus seriatius*,
occ. *Capparis Mitchellii*, *Acacia ecclusa*, ranging from
Peckia fuscocomaculata, *Austroicetes interioris*
virgin to heavily thinned. Much bare ground, some of
it with fairly small quartz stones. Patches of
fairly dense *Aristida joshuensis*, *Stipa variabilis*,
Austroicetes interioris,

& *Chloris truncata* to 1 ft. Chort. 883. *Populifolia*, *interloba*,
Monistria pustulifera inter *p. pustulosa* & *p. malle* (R), *Macrotona* sp., *Gonoloba* sp.,
Geijera, occ. *Acacia ecclusa* on red-brown sandy loam,
Euphorbia sp., *Didymopanax*, *Stylidium*, *Pycnostictus*
with small quartz stones in places. Large area
seriatius, *Amorpha gnathulosa*, *Peckia fuscocomaculata*,
of dense *Dichanthium* & *Themeda* to 2-3 ft., with almost

Of the two *Mouistria* collected here, one was dead & partly crushed, the other alive but finally decapitated. Possibly both had been attacked by a predator which found them distasteful. have ground in between. Acrida, Chott, Old 12885.

Birkalla.
Hemidale. 892. *E. populifolia*, *C. glauca*, occ. *A. aculeata*.
Acrida conica, *Pycnostictus sericeus*, *Phaulacridium* sp. n.
Pasture mainly *Prostida jerehensis* to 1 ft., with
Genus nos. 5 (6), *Peakesia fuscomaculata*, *Austroicetes*
numerous bare areas & low grasses on their edges
interioris
under trees. mainly greatly thinned, but some near
virgin. Acrida, Chott, *Pycnostictus sericeus*, Old 908. Took

Cambelego turn-off. 910. Cambelego. 912. Turn-off again
Cupressula sp. Genus nos. 28, *Compositae* sp., *Goniaca* sp.
915. Mt. Boppy. Coarse sandstone, mainly red-brown.
Euphorbia sp., *Pycnostictus sericeus*, *Perbellia picta*, *Apotrocin*
with *melanopus*. Mountain side brown with
sp., *Peakesia fuscomaculata*, *Macropygia* sp. rather sparse
angular stones from burs. diam. to 18 ins. *Callitris*
Azelota sp., *Macrodon*? *Eucalyptus morrisii* *sericeiformis*
glauca & a stunted enc. to 15 ft. (spec.). Tussocky
Chortocites tenuifera
grass (*Danthonia* sp.). Old. The *Macropygia* on lower
slopes only. Took

715. Booroomugga turn-off. 921 turn
round. 922. Stunted *E. populifolia* & *E. intertexta*,
[*Eucalyptus viridis*]
with a true mallee (2 sp. co.), *C. glauca*, & *Acacia*.
Geyeria, *Eremophila Mitchellii*, *Quandou*, *Acacia*
sp., *Acacia* sp., & very occ. *mulga*. Chott. Old. 927.

Return to Mt. Boppy. 953 Cobas.
Aristopus humilis, *Peakesia*
9/5. 953. Cobas. 958. *Populifolia*, *garran*, *luddah*,
fuscomaculata
current bush & *Eremophila Sturtii*, from near virgin
with practically no grass, but shrubby *Kochia*
(spec.) to 10 ins. to cleared with very low growth
of *Medicago*? *lacinata* & some couch. Along table-
drain *Dibanthium* & *Cyperaceae*. *Aristopus* in latter

12959. [Kochia triptera]

habitat. 962. Northerly outlier of Mt. Ma Biddaberia,
of about the same height & appearance as the mountain
proper. Stoniest rocks of sandstone, no quartz inclusions.
Slope gradual, no tussocky grasses. Open stand
of Hakea? leucophaea, mulga, ~~leopardwood~~ ^{too wood}, ^[Eucalyptus morrisii]
lulab, buddah, mulga, ~~currant-bush~~, & E. Dwyer? (spic)

Ground almost entirely bare, heavily eroded &
eroded. Very sparse growth of recent germination,
still small. No *Acrida*. 977. *Memphitis* spp., *Yarran*,
Peakesia fuscomaculata

occ. mulga, & currant-bush, thinned & cleared. Good
growth of tussocky grasses to 18 ins. : *Dichanthium*,

Aristida? *jerichoensis*, *Chloris acicularis*, with some
989. Meadows "Hotel" : *Pennisetum seriatum*
short growth. *Acrida*. 992. *E. populifolia*, *E. intertexta*,
occ. ^{or shrubby} *Acacia brachystachya*

C. glauca, *A. excolosa*, & *Kurrajong*, ~~occ.~~ *Acacia* sp. (spic).
Moraba sp., *Goniocarpus* sp., *Pennisetum seriatum*, *Austrotriset*
Redbrown sandy loam. Sparse dead tussocks of *Stipa* sp.

interioris
& *Aristida* sp. Includes part of a stony (sandstone)
gentle rise. 999. *Populifolia*, *C. glauca*, mulga, Hakea

? *leucophaea* on red sandy soil, with patches of harsh
tussocks of *Eragrostis* sp. & *Aristida* sp. Chab., Sed.,

Pennisetum seriatum. 18002. Barnabata to left.

13008. Barnabata Tank to right. Pop. - *intertexta* - pine.

010. Lilyvale ^{entrance} 012. *Casuarina lipidophylla*, *Heterodendron*,
mulga, Currant bush, occ. *populifolia* & *C. glauca* on
brown loam with numerous lateritic & some

sandstone stones 1-5 ins. diameter, with gorges.
All ground vegetation absent except for recent
germination of dicots. ca. 1-2 ins. high in patches.

No Herids. ^{Bak} 024. Turn off to Bulla Park Sta. 029. Turn
round. 031. Patch of mallee on low, sandy hills
to left. ^{mainly} Regrowth to 10 ft. of plants originally 20 ft.
bark rough, above that covering in
ribbons. Plant very like *intersecta* (spice from
glaucal). No green ground cover. Completely dry
grass tussocks at ca. 2 ft. intervals. Only 2 or

3 mup. pls. 034. Return to main road ^{10/5}. 035. Camp
site ^{moraba} ~~the~~ ^{moraba} originally occupied by an *Acacia* (sp.)
to 12 ft., + fringed with *E. intersecta*, *populifolia*
the *Acacia* sp. occ. mulga. Moraba found amongst
completely dry *Stipa* tussocks which were fairly
frequent on scab margin. 038. ³ Jacobs well

045. Relat. rosewood with occ. yamans current, with
tall green? *Myoporum*, + dry, occ. *populifolia*. Also
patch of mulga on higher sandy ground, with ^{occ.}
populifolia. Ground cover almost completely dry
Bassia sp. (spec.), + dry grass tussocks in patches.

056. Large patch of mallee (same sp. as at Bulla Park),
on somewhat raised sandy area, adjacent to
Patch of mulga on lower ground. Both pure stands.

Dead grass tussocks. 3 ins - 1 ft. One *Coryphaster* nymph only. Scarab larvae from under rabbit carcass in road bed. 13058. Int. dyke lake. Lys. 065. Road angles slightly to right to left. (67 miles from the Laguna). 1067. Relic on flat, with occ. *Heterandron*. Ground cover mainly ^{low} semi-shrub *Artemisia* sp. & grass tussocks (dry) & recent germinations. In *Ajajá* - red. brown sandy rise, cleared from *mulga* & occ. *Heterandron*. One patch of wiry *Eragrostis* tussocks, as far to bins, in which the ? *Macrobrachium* was found. Other spp. collected from relic. *Trogia* & larvae in association. *Pycnostictus*. 071. Road angles slightly to right. 074. Road angles considerably to right. Swan-hoe turn-off to left. 079. (1) Tailless brown loam with massive sandstone rotaries, mainly coated with usually purple deposited material. Slight tendency to puff & *Crabholes*. Low vegetation to base of *Poa* ^[*Poa lanigera*, *P. ventricosa*, *P. oblongicaulis*, *P. aff. speciosa*] *tricuspes*, *P. aff. speciosa*, *whiplash? spongiosa*. Also gutters running from here to Lake Poopallse to north; ^{these} fairly sandy, with slightly more & larger plants around fringes. *Urtica guttulosa*, *Peckesia fuscescentata*. (2) These gutters run on to edge of lake, where *coelobah* occurs in open stand on the sand (presumably on heavier soil nearer to lake). *Urtica*, *Peckesia*. Chop in (1). Pycno, Siphantus in (2), others in (1).

13085. Northern tip of Maculloch's Range, overlooking
Austroicetes interioris
Lake Bopallag. The range is very gently sloping
with practically no rock exposure. Brown to
red-brown loam with ^{intervals} sandstone, sometimes
smoothed with deposit, and a clay, not, as drain-
age. 3 ins. ^{various} columns. The lga. to 15 ft. with
[*Acacia tetragonophylla*]
Acacia sp. (spec.) to 6 ft. *Bassia* *truncata* in
patches, small, green when eaten to 2 ins &
dead, and fresh germination 1-2 ins. high. *Chot.*

099. Very open *Kenderasa*, with *Pycnostictus seriatus*, *Chottoicetes terminifera*, *Austroicetes*
interioris, *Eremophila*? *Sturtii*, & *Dodonaea*, on
red-brown sandy loam. Good cover of tussocky
grass (mainly dry), and opening germination of
Bassia spp., *Salsola* & grass. Oed. 13/11. Junction
with Swanhoe road. 116. Plain with several
app. of erect *Atriplex*, not exceeding 6 ins., & a few
Bassia, on pale grey self-mulching to soft-scales
type soil. Ground cover both dead & alive -
patchy. 123. *Mulcarnia*

115. 125. *Mulcarnia*. 126. *Kochia pyramidata* & another
[*Kochia tomentosa* var. *appressa*] *Azalea* sp. [*Bassia decurrens*]
Kochia (spec) (occasional), with *low Bassia* sp.
Moraba asinus, *Pycnostictus seriatus*, *Callitriche variegata*,
(spec) & *Atriplex spongiosa* to 4 ins, on red-brown
Austroicetes interioris
sand. 132. Mulga Valley Tank? 133. Turn-off to
Mena must be left. 141. Sparse mulga & *Eremophila*

7 hours

[Faint handwritten notes at the bottom of the page]

the following are the first few items.

Yucca elaeagnifolia (L.) T.

Merica soleri?

Lacandon, Quart. The Baptism ...
...
... 213. The Rock - A ...
Anstroictes interioris ...

1. *Phryganidia* y *A. mellipona*, *Trachusa*

12. 11-12-1914

152/4

[*Asplenium inflatum*]

[*Asplenium fuscicollis*]

Chetivaceles tenuifera

[*Lachypornia tenuis*]

[*Alutibon otocarpum*, *Alutibon spongiosa*, *Alutibon greggii*]

13324.

[Ficus distachya]

[Acacia acuminata]

[Siphonanthus furcata]

315
Pentameris ... Chortoicetes tenuifera

[Thymus] ...
[Acacia camptophylla] ... Chortoicetes tenuifera

13366.

Monistria pushtifera mallee (R)

1397.

1398.

1399.

Chortoriceles tenuifera

1400.

426. *Chortoriceles tenuifera*
1408. *Chortoriceles tenuifera*

13469.

... Acacia ...
... *Austroicetes litoralis* [*Acacia austro*]
... [*Acacia phyllodes*] [*Acacia* ...]
...

... Acacia ...

1400. ...

... Acacia ...

...

...

... Acacia ...

... Acacia ... 505 ...

13571

[*Parasitica vicaria*]

[*spongiosa*]

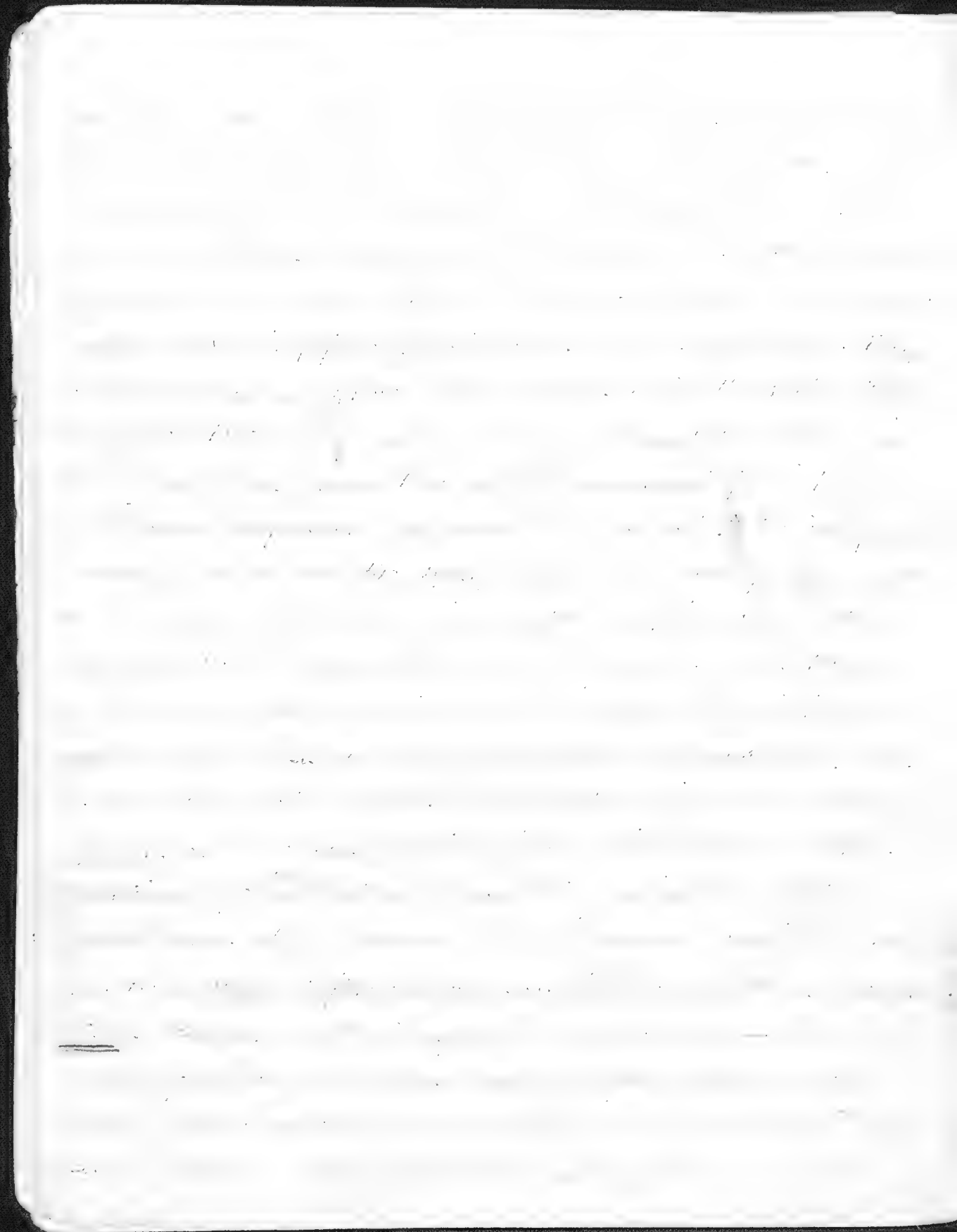
on *Leucosiphia* 596. *Chlorococcum* with *Chlorococcum* *Chlorococcum*
Leucosiphia

on *Leucosiphia* 596. *Chlorococcum* with *Chlorococcum* *Chlorococcum*
Peridinium sp. *Chlorococcum* *Chlorococcum* *Chlorococcum*
[*Atriplex spongiosa*]

[*Algaen zygophyllodes*]

6/10

6/10



(Rock identification by Dalrymple, Bureau of Mineral Resources)

(1) ← altered shale or siltstone and knotted schist (very low grade)

altered shale or siltstone → (2f ...)

(3) ← Quartzite, or hornfels (fairly siliceous) derived from siltstone or "impure" ...

no!

in the ...
← fine clayey sandstone

hematitic sh. ls., or limonite with clay. Also hollowed out in
in hematitic shale, containing clay and coated with manganese
oxide.

milky quartz →

siltstone →

sandy siltstone →

Monistria pustulifera
miller (R)

On section via broken hill. Cardinalis sp. and
Goniaca macronotum were found sitting on the
ascending branches of Uncusyptus canadensis,

mainly near the ground, and usually on the trunk
rather than the branches. The trees were lining
Euclyn Creek. The insects were in groups, clearly
indicating a social association. They were
the color of a pine, usually on the trunk
tree exposed to the sun & sheltered from the
wind. (Mileage of transport vehicle : 0443. The following
039.)

Creek 1 1/2 miles. 1 1/2 miles further strike Beacon. ¹⁵
 back goes round to right. 4 miles further to grid. ²⁰
 2 miles further to bloodwood creek - cross that. 2 1/2 miles ²⁵
 to Big Dinger (good road). 10 miles further to Little Dinger ³⁵
 (good road). At Little Dinger, if water on left, go up
 2 miles to left. Straight on past stockyard leaving
 it on right, and leaving tank on left. 7 miles from
 Little Dinger to Navajo.

for about a mile.

Go through gate where left. ^{1/2 mile} ~~1/2 mile~~ road at
 first gully. Turn right at gully for Olive Downs.
 Then 6 miles further to Olive Downs. Then come back
 on same track. Turn left after third cyclone gate
 from Olive Downs (broken down gate).

White Cliffs to Milpa

White Cliffs - pass signposts. Leave road - corner
on right. Go 7 miles to ¹⁹¹² reached on left keeping
to right hand. ²⁰² straight on road. But then 7 miles to
come the ²⁰² turn to on north with heart. 14 miles to
Peak Tank on right where the ²¹³ road on right.
At Peak Tank but you - ²¹⁴ straight down fence along
the right hand side. 10 miles from Peak Tank to
²²⁶ Rayramura, come to a well lobed, pass between
it and man's kitchen, or call in at homestead 100 yds
from road. ²²⁹ Go over creek & take first left hand
²³¹ road for ²⁰⁻ ca. 22 miles to Womani. Road goes
right to homestead: inquire for further directions.
Will ^{enter 6} pass Womani to - ²³⁴ You coming road about
9 miles from Rayramura. Go on to Milpa to
inquire re. directions to Tibcohuera. Milpa is
visible ca. 1 1/2 miles from main B.M. Tibcohuera
road. ²⁴⁴ Peak Tank and Broken Hill turn off
to left.

Tikoharra to Tickalara

Embarked at 11 miles.

Go out ^{ca. 20} miles, taking all right hand turns except at ca. 14 miles, when take middle road of 3. Then take right hand fork to Bonepah Station (further 15 miles). Then 7 miles to Lyampah Sta. Then 14 miles to bit - Gelpunga - Tickalara road. Pass the old Trip. homestead & go 2 miles north to view homestead. Then back to old homestead & on to Huddersfield road. Police at Noodindra

Tickalara to Bransby.

Return towards old homestead, & first before long stones within perhaps $\frac{1}{2}$ mile of homestead, road turns to right & links with road from old homestead to Bransby. Ca. 3 miles further on go through an old fence. Ca. 2 miles further go through new fence with no wire on. Pass two tanks together on right. Cross creek & ca. 2 miles from two tanks see a windmill on right. Ca. 3 miles further strike fairly new fence & go through wire gate. Ca. 3 or 4 miles further come on to Noodindra - Nanyillo road. Turn right, leaving a yard on left (Little Dingera). 9 miles further to Big Dingera (old stone ruins). 12

miles further to Poramboey.